

DTHD06-1-8S-E003 ✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-8S-E003

Housing for Female Terminals, Wire-to-Wire, 1 Position, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTHD Housings



Connector System: **Wire-to-Wire**

Number of Positions: 1

Connector & Housing Type: **Housing for Female Terminals**

Sealable: **Yes**

Mating Pin Diameter: 3.61 mm [.142 in]

[All DEUTSCH DTHD Housings \(14\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Connector Modification	End Cap
Number of Positions	1
Number of Rows	0

Electrical Characteristics

Operating Voltage	250 VAC
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Nominal Voltage Architecture	12 V, 24 V, 48 V
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Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 8
Contact Type	Socket
Mating Pin Diameter	3.61 mm[.142 in]
Contact Current Rating (Max)	60 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PEI (Polyetherimide)
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Dimensions

Connector Height	21.87 mm[.861 in]
Product Width	16.76 mm[.66 in]
Product Length	39.32 mm[1.548 in]
Compatible Insulation Diameter Range	4.83 – 6.09 mm[.19 – .24 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Degree of Protection	Not Tested
UL Flammability Rating	Not tested

Packaging Features



Packaging Quantity	1000
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Packaging Method	Box
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Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # CAT-D48-PCH8172
DEUTSCH DTHD Housings



TE Part # 0462-203-08141
SOC, SOLID, SIZE 8, 8-10AWG, NI




TE Part # 114018-ZZ
SEALING PLUG, SIZE 8, WHT



TE Part # 114008-ZZ
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN


Also in the Series | DEUTSCH DT




Automotive Connector Caps & Covers (19)




Automotive Connector Locks & Position Assurance(74)



Automotive Housings(658)




Connector Backshells(60)




Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(27)



PCB Headers & Receptacles(103)

Also in the Series | DEUTSCH DTHD



Automotive Housings(22)



Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #DTHD06-1-4S-E003
DEUTSCH DTHD Housings



TE Part #DRC16-70SAE-P066
PLG, 70P, BLK, E, SPECIAL SEAL, A



TE Part #DT06-3S-CE14
DEUTSCH DT Plug Connectors



TE Part #DTP06-4S-CE03
PLG, 4P, BLK, E, CAP



TE Part #4-880492-2
FUSE CONTACT - BUS



TE Part #B90-DTP04-952B
BKSHL, 4P, BLK, PLG, RA-D, SIDE B,
NW 16

Documents

Product Drawings

PLG, 1P, BLK, N, SIZE 8, CAP

English

CAD Files

Customer View Model

[ENG_CVM_CVM_DTHD06-1-8S-E003_99.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_DTHD06-1-8S-E003_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTHD06-1-8S-E003_99.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English